

Title (en)

Single ended ceramic arc discharge lamp and method of making the same

Title (de)

Einseitig gesockelte keramische Entladungslampe und Herstellungsverfahren dafür

Title (fr)

Lampe à décharge avec enveloppe en matériau céramique et à culot unique et son procédé de fabrication

Publication

EP 1111654 A1 20010627 (EN)

Application

EP 00311484 A 20001220

Priority

US 47155199 A 19991223

Abstract (en)

A ceramic discharge lamp (20) includes first and second electrodes (24, 26) that are disposed in non-axial relation. In a preferred arrangement, the electrodes extend inwardly from one end of the lamp to define a single ended ceramic discharge lamp. The electrodes are disposed in parallel to provide for precise control of the arc gap in one exemplary embodiment while the electrodes are angled in non-parallel relation in another preferred embodiment to limit the potential for arcing outside of the chamber. The legs (62, 64) are integrally formed in one body component (60) and an integral lens is provided in the other body component to increase the lumens distribution since there is no leg to interfere with radiation from the chamber. <IMAGE>

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H01J 61/30; **H01J 9/24**

IPC 8 full level

H01J 9/24 (2006.01); **H01J 61/30** (2006.01)

CPC (source: EP)

H01J 9/247 (2013.01); **H01J 61/30** (2013.01)

Citation (search report)

- [XY] EP 0954012 A1 19991103 - USHIO ELECTRIC INC [JP]
- [DY] EP 0954010 A1 19991103 - GEN ELECTRIC [US]
- [X] DE 29702002 U1 19970507 - LIN BOB [TW]
- [X] EP 0274269 A1 19880713 - GEN ELECTRIC [US]
- [X] GB 2207800 A 19890208 - TUNGSRAM RESZVENYTARSASAG
- [DA] EP 0954011 A1 19991103 - GEN ELECTRIC [US]
- [DA] GB 2071073 A 19810916 - GEN ELECTRIC
- [X] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 11 28 November 1997 (1997-11-28)
- [X] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 11 28 November 1997 (1997-11-28)
- [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 261 (E - 1369) 21 May 1993 (1993-05-21)
- [X] PATENT ABSTRACTS OF JAPAN vol. 014, no. 479 (E - 0992) 18 October 1990 (1990-10-18)
- [X] PATENT ABSTRACTS OF JAPAN vol. 007, no. 084 (E - 169) 7 April 1983 (1983-04-07)
- [X] PATENT ABSTRACTS OF JAPAN vol. 002, no. 157 (M - 044) 27 December 1978 (1978-12-27)

Cited by

EP1755146A3; EP1329941A3; EP2126460A4; EP1737020A3; EP1544889A3; US7892061B2; US7404496B2; US7839089B2; US7414366B2; US8102121B2; WO02071442A1

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